

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/822,110

DATE: 04/20/2001

TIME: 11:46:28

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF3\04202001\I822110.raw

ENTERED

3 <110> APPLICANT: Wang, Hwa-Chain R.
 5 <120> TITLE OF INVENTION: ANTIBODY COMPOSITIONS SPECIFIC FOR p33QIK AND p63KRS1
 6 POLYPEPTIDES AND USES THEREOF
 8 <130> FILE REFERENCE: 4350.000800
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/822,110
 11 <141> CURRENT FILING DATE: 2001-03-30
 13 <150> PRIOR APPLICATION NUMBER: 60/193,550
 14 <151> PRIOR FILING DATE: 2000-03-31
 16 <160> NUMBER OF SEQ ID NOS: 76
 18 <170> SOFTWARE: PatentIn Ver. 2.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1476
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1
 26 atggagcagc cgccggcgcc taagagtaaa ctaaaaaagc tgagtgaaga cagtttgact 60
 27 aagcagcctg aagaagtttt tgatgtatta gagaagcttg gagaagggtc ttatggaagt 120
 28 gtattttaag caatacacaa ggaatccggt caagtgtgctg caattaaaca agtacctgtt 180
 29 gaatcagatc ttcaggaaat aatcaaagaa atttccataa tgcagcaatg tgacagccca 240
 30 tatgttgtaa agtactatgg cagttatttt aagaatacag acctctggat tgttatggag 300
 31 tactgtggcg ctggctctgt ctacagacata attagattac gaaacaagac attaatagaa 360
 32 gatgaaattg caaccattct taaatctaca ttgaaaggac tagaatattt gcactttatg 420
 33 agaaaaatac acagagatat aaaagctgga aatattctcc tcaatacaga aggacatgca 480
 34 aaattggcag attttggagt ggctggctcag ttaacagata caatggcaaa acgcaatact 540
 35 gtaataggaa ctccattttg gatggctcct gaggtgattc aagaaatagg ctataactgt 600
 36 gtggccgaca tctggctcct tggcattact tctatagaaa tggctgaagg aaaacctcct 660
 37 tatgctgata tacatccaat gagggctatt tttatgatcc ccacaaatcc accaccaaca 720
 38 ttcagaaagc cagaactttg gtccgatgat ttcaccgatt ttgttaaaaa gtgtttggtg 780
 39 aagaatcctg agcagagagc tactgcaaca caacttttac agcatccttt tatcaagaat 840
 40 gccaaacctg tatcaatatt aagagacctg atcacagaag ctatggagat caaagctaaa 900
 41 agacatgacg aacagcaacg agaattggaa gaggaagaag aaaattcgga tgaagatgag 960
 42 ctggattccc acaccatggt gaagactagt gtgggagagt gtggcaccat gcggggccaca 1020
 43 agcacgatga gtgaaggggc ccagaccatg attgaacata atagcacgat gttggaatcc 1080
 44 gacttgggga ccatggtgat aaacagttag gatgaggaa gagaagatgg aactatgaaa 1140
 45 agaaatgcaa cctcaccaca agtacaaaga ccattcttca tggactactt tgataagcaa 1200
 46 gacttcaaga ataagagtca cgaaaactgt aatcagaaca tgcatagaacc cttccctatg 1260
 47 tccaaaaacg tttttcctga taactggaaa gttcctcaag atggagactt tgactttttg 1320
 48 aaaaatctaa gtttagaaga actacagatg cgggttaaaag cactggaccc catgatggaa 1380
 49 cgggagatag aagaacttcg tcagagatac actgcgaaa gacagcccat tctggatgag 1440
 50 atggatgcaa agaaaagaag gcagcaaaac ttttga 1476
 53 <210> SEQ ID NO: 2
 54 <211> LENGTH: 491
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Homo sapiens
 60 <400> SEQUENCE: 2
 61 Met Glu Gln Pro Pro Ala Pro Lys Ser Lys Leu Lys Lys Leu Ser Glu
 62 1 5 10 15

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64 Asp Ser Leu Thr Lys Gln Pro Glu Glu Val Phe Asp Val Leu Glu Lys
65          20          25          30
67 Leu Gly Glu Gly Ser Tyr Gly Ser Val Phe Lys Ala Ile His Lys Glu
68          35          40          45
70 Ser Gly Gln Val Val Ala Ile Lys Gln Val Pro Val Glu Ser Asp Leu
71          50          55          60
73 Gln Glu Ile Ile Lys Glu Ile Ser Ile Met Gln Gln Cys Asp Ser Pro
74 65          70          75          80
76 Tyr Val Val Lys Tyr Tyr Gly Ser Tyr Phe Lys Asn Thr Asp Leu Trp
77          85          90          95
79 Ile Val Met Glu Tyr Cys Gly Ala Gly Ser Val Ser Asp Ile Ile Arg
80          100          105          110
82 Leu Arg Asn Lys Thr Leu Ile Glu Asp Glu Ile Ala Thr Ile Leu Lys
83          115          120          125
85 Ser Thr Leu Lys Gly Leu Glu Tyr Leu His Phe Met Arg Lys Ile His
86          130          135          140
88 Arg Asp Ile Lys Ala Gly Asn Ile Leu Leu Asn Thr Glu Gly His Ala
89 145          150          155          160
91 Lys Leu Ala Asp Phe Gly Val Ala Gly Gln Leu Thr Asp Thr Met Ala
92          165          170          175
94 Lys Arg Asn Thr Val Ile Gly Thr Pro Phe Trp Met Ala Pro Glu Val
95          180          185          190
97 Ile Gln Glu Ile Gly Tyr Asn Cys Val Ala Asp Ile Trp Ser Leu Gly
98          195          200          205
100 Ile Thr Ser Ile Glu Met Ala Glu Gly Lys Pro Pro Tyr Ala Asp Ile
101          210          215          220
103 His Pro Met Arg Ala Ile Phe Met Ile Pro Thr Asn Pro Pro Pro Thr
104 225          230          235          240
106 Phe Arg Lys Pro Glu Leu Trp Ser Asp Asp Phe Thr Asp Phe Val Lys
107          245          250          255
109 Lys Cys Leu Val Lys Asn Pro Glu Gln Arg Ala Thr Ala Thr Gln Leu
110          260          265          270
112 Leu Gln His Pro Phe Ile Lys Asn Ala Lys Pro Val Ser Ile Leu Arg
113          275          280          285
116 Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu
117          290          295          300
119 Gln Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu
120 305          310          315          320
122 Leu Asp Ser His Thr Met Val Lys Thr Ser Val Gly Glu Cys Gly Thr
123          325          330          335
125 Met Arg Ala Thr Ser Thr Met Ser Glu Gly Ala Gln Thr Met Ile Glu
126          340          345          350
128 His Asn Ser Thr Met Leu Glu Ser Asp Leu Gly Thr Met Val Ile Asn
129          355          360          365
131 Ser Glu Asp Glu Glu Glu Glu Asp Gly Thr Met Lys Arg Asn Ala Thr
132          370          375          380
134 Ser Pro Gln Val Gln Arg Pro Ser Phe Met Asp Tyr Phe Asp Lys Gln
135 385          390          395          400
137 Asp Phe Lys Asn Lys Ser His Glu Asn Cys Asn Gln Asn Met His Glu

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138      405      410      415
140 Pro Phe Pro Met Ser Lys Asn Val Phe Pro Asp Asn Trp Lys Val Pro
141      420      425      430
143 Gln Asp Gly Asp Phe Asp Phe Leu Lys Asn Leu Ser Leu Glu Glu Leu
144      435      440      445
146 Gln Met Arg Leu Lys Ala Leu Asp Pro Met Met Glu Arg Glu Ile Glu
147      450      455      460
149 Glu Leu Arg Gln Arg Tyr Thr Ala Lys Arg Gln Pro Ile Leu Asp Ala
150 465      470      475      480
152 Met Asp Ala Lys Lys Arg Arg Gln Gln Asn Phe
153      485      490
156 <210> SEQ ID NO: 3
157 <211> LENGTH: 16
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE
164 <400> SEQUENCE: 3
165 Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu
166 1      5      10      15
171 <210> SEQ ID NO: 4
172 <211> LENGTH: 14
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE
179 <400> SEQUENCE: 4
180 Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
181 1      5      10
184 <210> SEQ ID NO: 5
185 <211> LENGTH: 50
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE
192 <400> SEQUENCE: 5
193 Pro Phe Ile Lys Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile
194 1      5      10      15
196 Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg
197      20      25      30
199 Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser
200      35      40      45
202 His Thr
203      50
205 <210> SEQ ID NO: 6
206 <211> LENGTH: 49
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:

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211 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE

213 <400> SEQUENCE: 6

214 Phe Ile Lys Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr

215 1 5 10 15

217 Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu

218 20 25 30

220 Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His

221 35 40 45

223 Thr

227 <210> SEQ ID NO: 7

228 <211> LENGTH: 48

229 <212> TYPE: PRT

230 <213> ORGANISM: Artificial Sequence

232 <220> FEATURE:

233 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE

235 <400> SEQUENCE: 7

236 Ile Lys Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu

237 1 5 10 15

239 Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu

240 20 25 30

242 Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr

243 35 40 45

249 <210> SEQ ID NO: 8

250 <211> LENGTH: 47

251 <212> TYPE: PRT

252 <213> ORGANISM: Artificial Sequence

254 <220> FEATURE:

255 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE

257 <400> SEQUENCE: 8

258 Lys Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala

259 1 5 10 15

261 Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu

262 20 25 30

264 Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr

265 35 40 45

268 <210> SEQ ID NO: 9

269 <211> LENGTH: 46

270 <212> TYPE: PRT

271 <213> ORGANISM: Artificial Sequence

273 <220> FEATURE:

274 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE

276 <400> SEQUENCE: 9

277 Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met

278 1 5 10 15

280 Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu

281 20 25 30

283 Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr

284 35 40 45

287 <210> SEQ ID NO: 10

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288 <211> LENGTH: 45
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE
295 <400> SEQUENCE: 10
296 Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu
297   1           5           10           15
299 Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu
300   20           25           30
302 Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
303   35           40           45
306 <210> SEQ ID NO: 11
307 <211> LENGTH: 44
308 <212> TYPE: PRT
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE
314 <400> SEQUENCE: 11
315 Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile
316   1           5           10           15
318 Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu
319   20           25           30
321 Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
322   35           40
325 <210> SEQ ID NO: 12
326 <211> LENGTH: 43
327 <212> TYPE: PRT
328 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE
334 <400> SEQUENCE: 12
335 Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys
336   1           5           10           15
338 Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu
339   20           25           30
341 Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr
342   35           40
345 <210> SEQ ID NO: 13
346 <211> LENGTH: 42
347 <212> TYPE: PRT
348 <213> ORGANISM: Artificial Sequence
350 <220> FEATURE:
351 <223> OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC PEPTIDE
353 <400> SEQUENCE: 13
354 Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala
355   1           5           10           15
357 Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn
358   20           25           30

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/822,110

DATE: 04/20/2001

TIME: 11:46:29

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF3\04202001\I822110.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number